**Product data sheet**

**Miniature connectors**

**Product description**
M16 IP40 male panel mount connector, Contacts: 6 DIN, unshielded, solder, IP40

**Area**
M16 IP40 series 680

**Order number**
09 0323 00 06

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**Illustration**

**Scale drawing**

**Contact arrangement (Plug-in side)**

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You can find the assembly instructions on the next page.

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**Technical data**

### General features

<table>
<thead>
<tr>
<th>Order number</th>
<th>09 0323 00 06</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connector design</td>
<td>male panel mount connector</td>
</tr>
<tr>
<td>Version</td>
<td>connector male straight</td>
</tr>
<tr>
<td>Connector locking system</td>
<td>screw</td>
</tr>
<tr>
<td>Termination</td>
<td>solder</td>
</tr>
<tr>
<td>Degree of protection</td>
<td>IP40</td>
</tr>
<tr>
<td>Cross-sectional area</td>
<td>0.75 mm² / AWG 18</td>
</tr>
<tr>
<td>Temperature range from/to</td>
<td>-40 °C / 85 °C</td>
</tr>
<tr>
<td>Mechanical operation</td>
<td>&gt; 500 Mating cycles</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>11.226</td>
</tr>
<tr>
<td>Customs tariff number</td>
<td>85369010</td>
</tr>
</tbody>
</table>

### Material

- **Housing material**: Zinc die-cast nickel-plated
- **Contact body material**: PBT (UL94 V-0)
- **Contact material**: CuZn (brass)
- **Contact plating**: Ag (silver)
- **REACH SVHC**: CAS 7439-92-1 (Lead)

### Electrical parameters

- **Rated voltage**: 250 V
- **Rated impulse voltage**: 1500 V
- **Rated current (40 °C)**: 5 A
- **Insulation resistance**: ≥ 10⁹ Ω
- **Pollution degree**: 1
- **Overvoltage category**: I
- **Insulating material group**: III
- **EMC compliance**: unshielded

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Assembly instructions / Panel cut-out

Diagram with dimensions:
- Diameter: 18 mm
- Height: 17 mm
- Hole diameter: 2.8 mm
- Hole depth: 19 mm
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Area
M16 IP40 series 680
09 0323 00 06

Security notices
The connector must not be plugged or unplugged under load. Non-observance and improper use can result in personal injury.
The connectors have been developed for applications in plant engineering, control and electrical equipment construction. The user is responsible for checking whether the connectors can also be used in other areas of application.
To protect against unintentional opening of the connector, the thread between the housing and the connector head must be secured with a suitable cyanoacrylate adhesive when used in circuits with voltages dangerous to the touch. This does not apply to connectors used in SELV and PELV circuits according to IEC 61140 (EN 61140, VDE 0140-1).
The plug connector is not suitable for mains voltages. Please observe the pollution degree and the overvoltage category. For further information, please refer to the download center "Technical Information".